

WHAT IS CLAIMED IS:

1. A folding knife, comprising:
a handle having a front end and a back end;
a blade rotatably coupled to the handle by a blade axle;
a liner lock coupled to the handle;
an eccentric adjustment mechanism rotatably coupled to the liner lock and the handle at a point between the blade axle and the back end, the eccentric adjustment mechanism including a first segment with a first axis of rotation and a second segment with a second axis of rotation;
wherein the first segment engages the handle and the second segment engages the liner lock;
whereby when the eccentric adjustment mechanism is rotated the liner lock is moved with respect to the handle.

2. The folding knife of Claim 1, wherein the eccentric adjustment mechanism is an eccentric nut.

3. The folding knife of Claim 2, wherein the eccentric nut has a head.

4. The folding knife of Claim 3, further comprising:
a bridge screw;
wherein the eccentric nut has a recess configured to receive the bridge screw; and
wherein the bridge screw is threaded into the eccentric nut.

5. The folding knife of Claim 4, wherein the eccentric nut and bridge screw are configured such that pressure on the liner lock in a direction away from the front end results in a tightening of the bridge screw and eccentric nut.

6. A folding knife, comprising:
a handle having a front end and a back end;
a blade rotatably coupled to the handle by a blade axle;
a liner lock coupled to the handle, the liner lock having an aperture therethrough at a point distal the blade axle;
an eccentric adjustment mechanism rotatably coupled to the handle and the liner lock through the aperture, the eccentric adjustment mechanism including a first segment with a first axis of rotation and a second segment with a second axis of rotation;
wherein the first segment engages the handle and the second segment engages the liner lock;
whereby when the eccentric adjustment mechanism is rotated the liner lock is moved with respect to the handle.

7. The folding knife of Claim 6, wherein the eccentric adjustment mechanism engages a forward side of the aperture during rotation, but not a rearward side of the aperture.

8. The folding knife of Claim 6, wherein the eccentric adjustment mechanism is an eccentric nut.

9. The folding knife of Claim 8, wherein the eccentric nut has a head.

10. The folding knife of Claim 9, further comprising:
a bridge screw; and
a recess in the eccentric nut configured to receive the bridge screw, wherein the bridge screw is threaded into the recess.

11. The folding knife of Claim 10, wherein the eccentric nut and bridge screw are configured such that pressure on the liner lock in a direction away from the front end results in a tightening of the bridge screw and eccentric nut.

12. A folding knife, comprising:
a handle having a first handle side and a second handle side;
a blade rotatably coupled to the handle by a blade axle;
a liner lock coupled to the handle;
an aperture defined in the liner lock at a point distal the blade axle, the aperture having a top, a bottom, a front, and a back;
an eccentric adjustment mechanism rotatably coupled to the handle and the liner lock through the aperture, the eccentric adjustment mechanism including a first segment with a first axis of rotation and a second segment with a second axis of rotation;
wherein the first segment engages the handle and the second segment engages the liner lock;
whereby when the eccentric adjustment mechanism is rotated, the liner lock is moved with respect to the handle;
wherein the aperture is sized such that the second segment does not make contact with the top or the bottom when rotated.

13. The folding knife of Claim 12, further comprising:
a plurality of slots defined in the liner lock; and
a plurality of staking tabs extending from one of the handle
sides into the slots, wherein the staking tabs inhibit movement of the liner
lock after the first and second handle sides are tightened together.

14. The folding knife of Claim 13, wherein the slots are serrated.

15. The folding knife of Claim 12, wherein the second segment
engages the front of the aperture during rotation, but not the back of the
aperture.

16. The folding knife of Claim 12, wherein the eccentric
adjustment mechanism is an eccentric nut.

17. The folding knife of Claim 16 wherein the eccentric nut has a
head.

18. The folding knife of Claim 17, further comprising:
a bridge screw;
wherein the eccentric nut has a recess configured to receive
the bridge screw; and
wherein the bridge screw is threaded into the eccentric nut.

19. The folding knife of Claim 18, wherein the eccentric nut and
bridge screw are configured such that pressure on the liner lock in a

direction away from the opened blade results in a tightening of the bridge screw and eccentric nut.

20. A folding knife, comprising:

- a handle having a front end and a back end;
- a blade rotatably coupled to the handle by a blade axle;
- a liner lock coupled to the handle;
- a notch defined in the liner lock at an end distal the blade axle;

an eccentric adjustment mechanism rotatably coupled to the handle, the eccentric adjustment mechanism including a first segment with a first axis of rotation and a second segment with a second axis of rotation;

wherein the first segment engages the handle and the second segment engages the notch;

whereby when the eccentric adjustment mechanism is rotated the liner lock is moved toward the front end.

21. The folding knife of Claim 20, wherein the blade is rotatably coupled to the handle via a blade axle, and wherein the liner lock is coupled to the blade axle.

22. The folding knife of Claim 20, wherein the eccentric adjustment mechanism is a pin.

23. The folding knife of Claim 22, wherein the pin has two threaded recesses, each configured to receive a screw.

24. A method of assembling a folding knife having a handle, a blade, a liner lock, and an eccentric adjustment mechanism, comprising the steps of:

- placing the blade into a first side of the handle;
- placing the liner lock into the first side of the handle;
- installing the eccentric adjustment mechanism such that it is engaged with the liner lock;
- opening the blade into its operative position; and
- adjusting the position of the liner lock by rotating the eccentric adjustment mechanism until the liner lock is snug against the blade.

25. The method of assembling a folding knife of Claim 24, further comprising the steps of:

- providing a fastener; and
- securing the rotational position of the eccentric adjustment mechanism with the fastener.

26. The method of assembling a folding knife of Claim 24, wherein the handle has a second side, further comprising the step of:

- fastening the first side to the second side with a plurality of fasteners.

27. The method of assembling a folding knife of Claim 24, wherein the liner lock has a plurality of slots, and the handle has a plurality of staking tabs; and further comprising the step of tightening the handle sides together such that the staking tabs extend into the slots, fixing the location of the liner lock.